APPENDIX A

Cisco Cabinet Dimensions

This appendix illustrates the space requirements for various system configurations in the Cisco cabinet and a typical cable management setup. It also contains a table with the height of Cisco WAN switching components in inches, centimeters, and rack-mount units (RMUs). This can help in the calculation of height requirements for individual system configurations. The last illustration shows the bracket installation in the Cisco cabinet (for a BPX 8620 node, in this case). The illustrated components are the:

- BPX 8620
- IGX 8410, 8420, and 8430 switches
- Cisco MGX 8220 edge concentrator

The sequence of illustrations in this chapter is as follows:

- Cisco Cabinet
- Cable Management
- Examples of System Configurations
- Table of Component Heights

Figure A-1 Back View of Cisco Cabinet

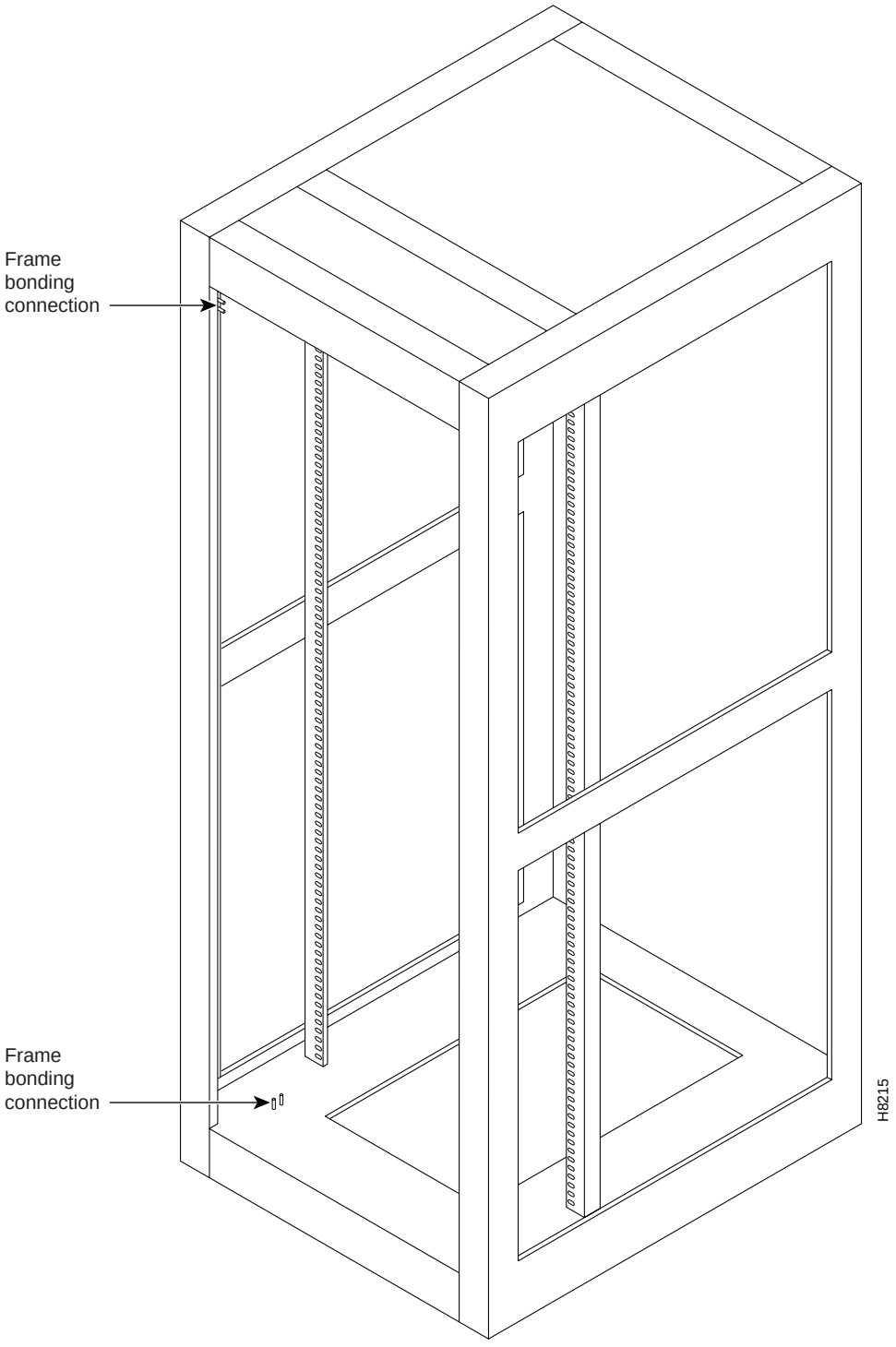


Figure A-2 Cable Management

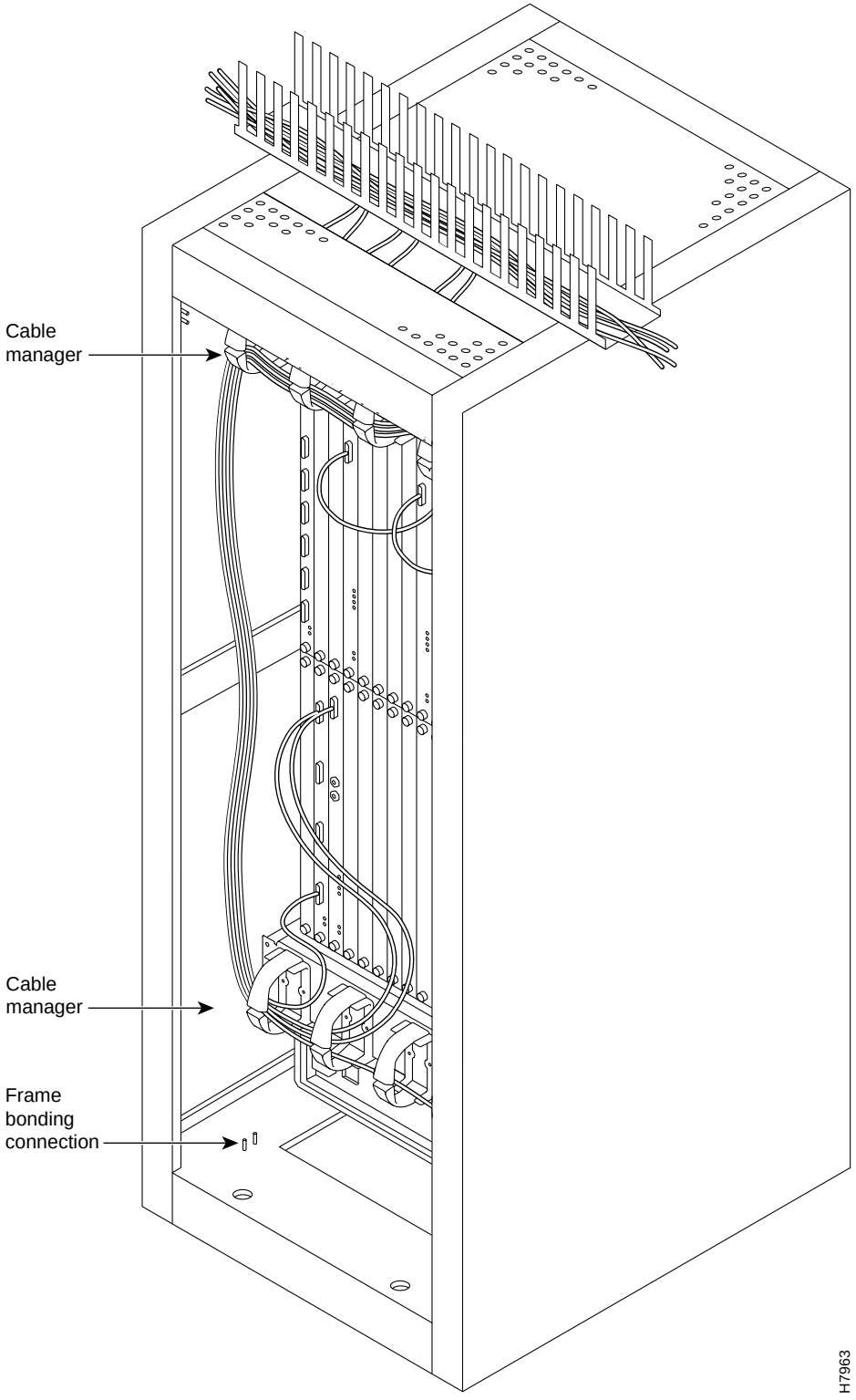


Figure A-3 IGX 8430 Switch, AC and DC-Powered

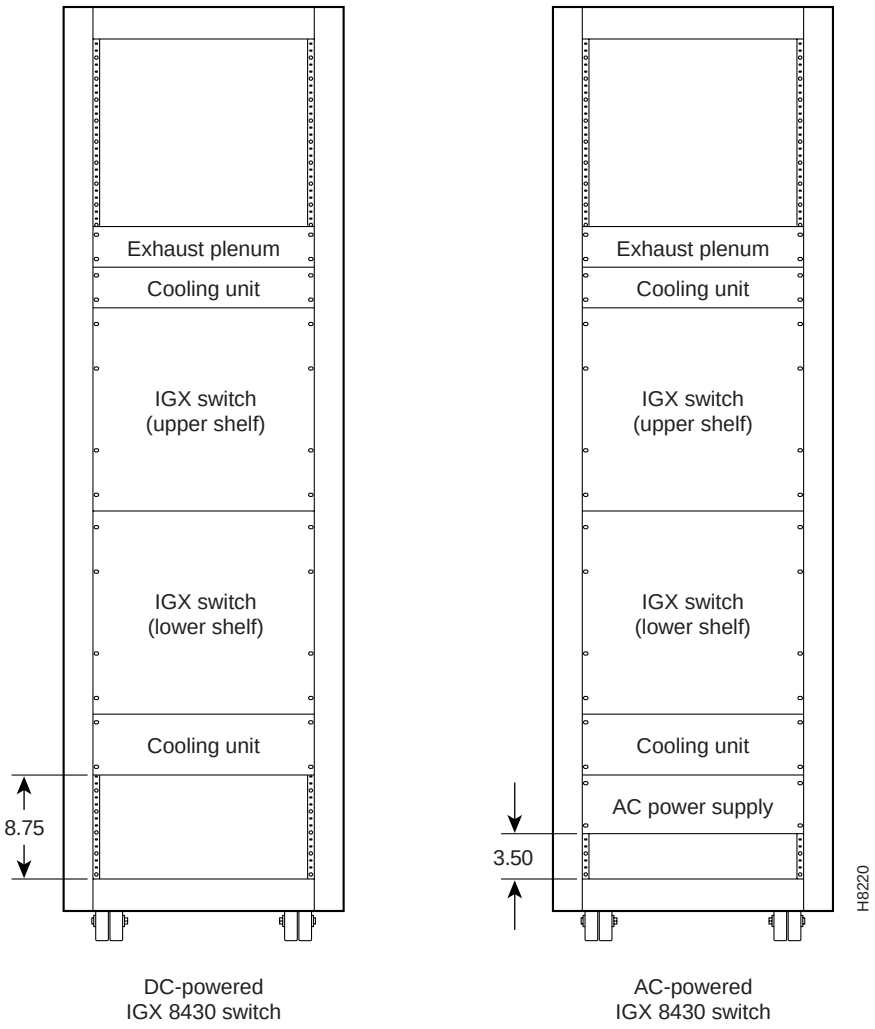


Figure A-4 IGX 8420 Swtch, DC-Powered and AC-Powered

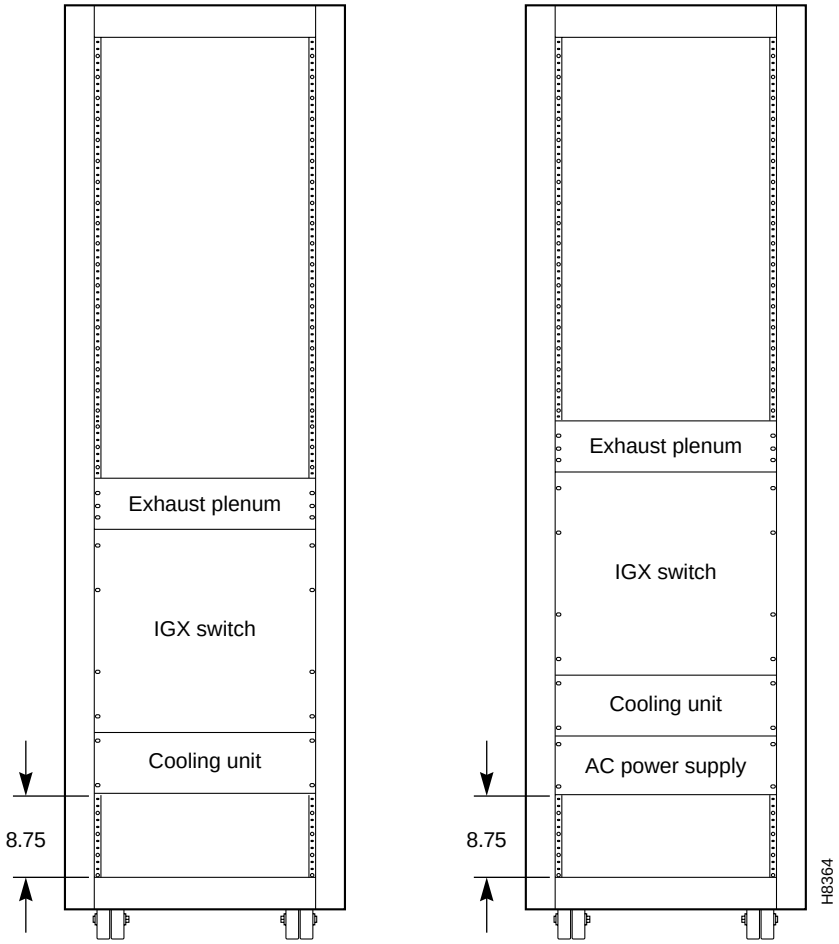
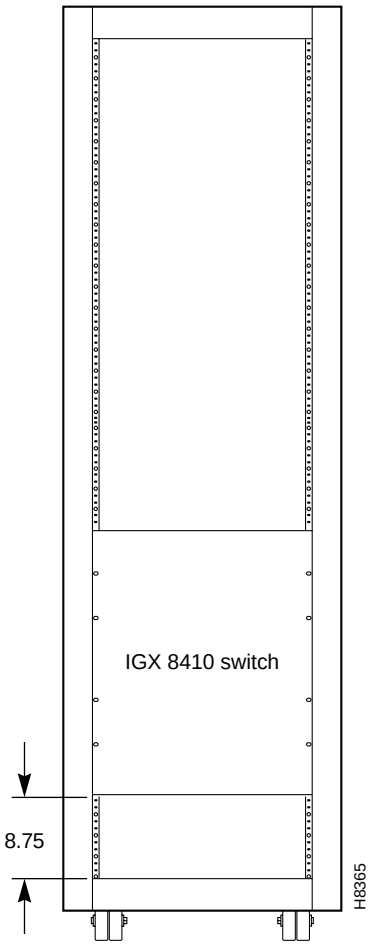
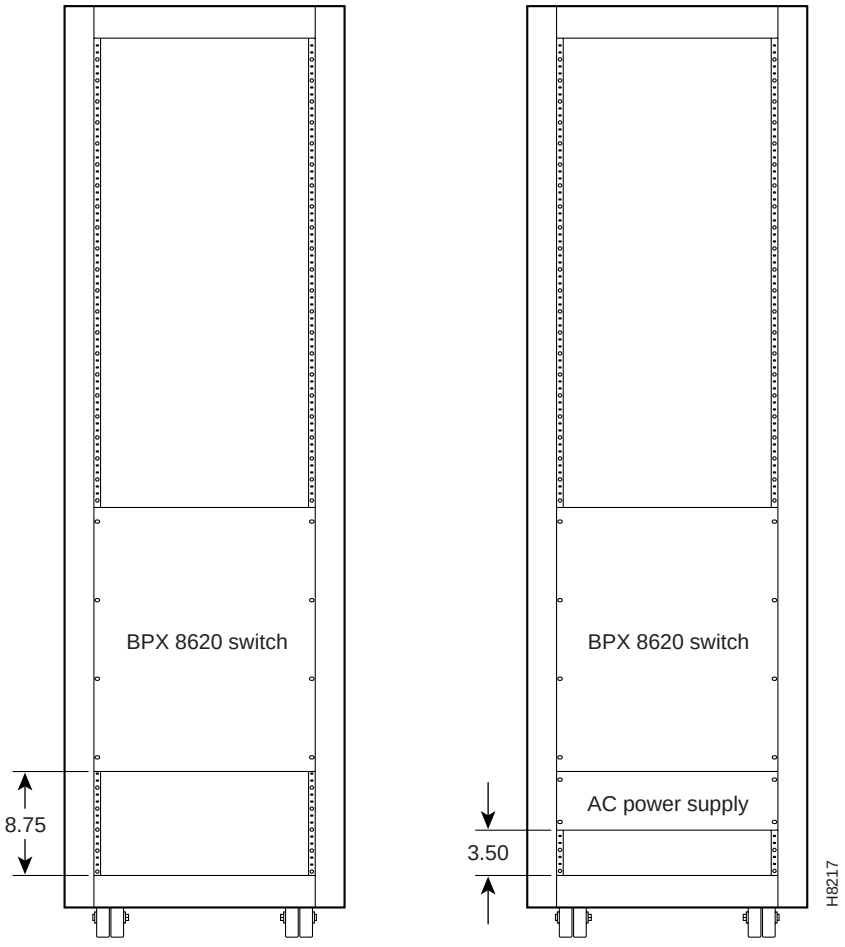


Figure A-5 IGX 8410 Switch, AC or DC-Powered



AC or DC-powered
IGX 8410 switch

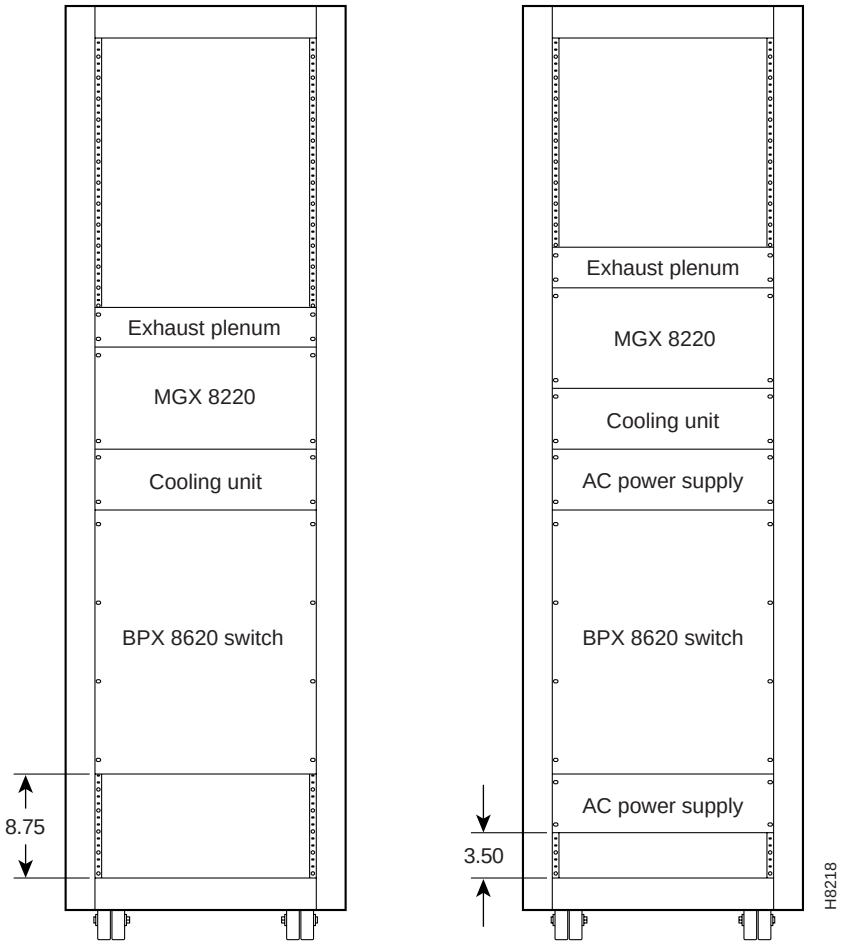
Figure A-6 Single BPX Switch, AC and DC-Powered



DC-powered BPX 8620 node

AC-powered BPX 8620 node

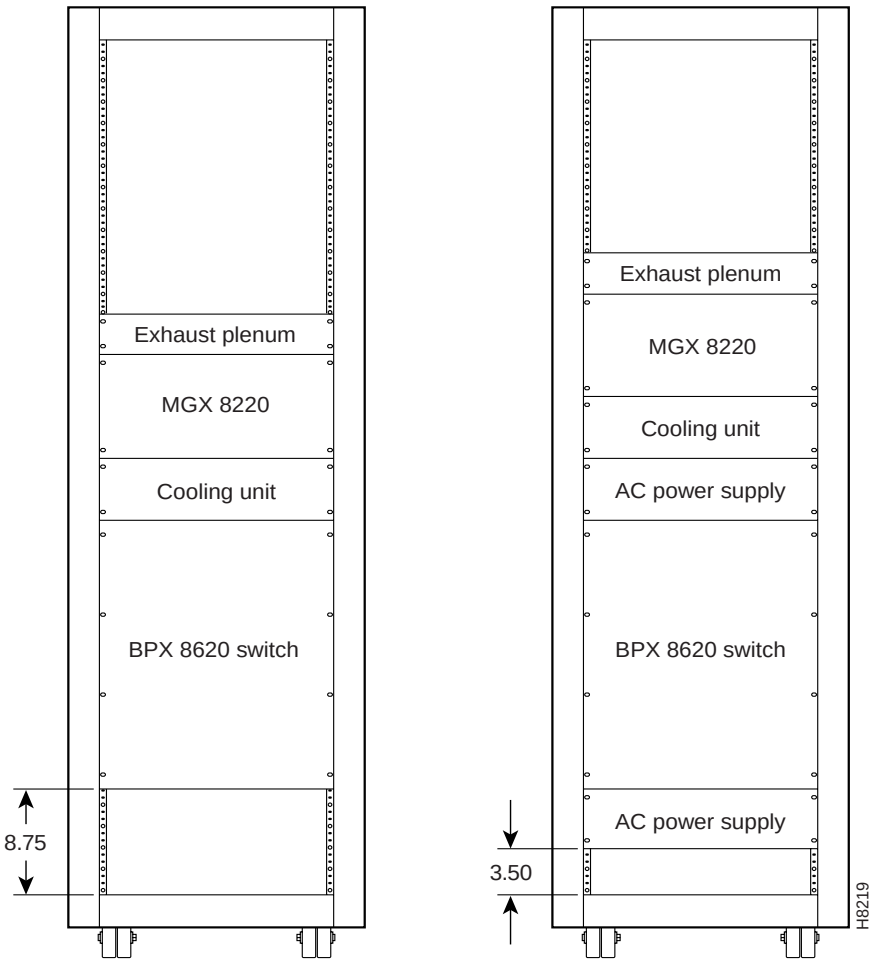
Figure A-7 Single BPX Node and MGX 8220 Edge Concentrator, AC and DC-Powered



DC-powered BPX 8620 and MGX 8220 units

AC-powered BPX 8620 and MGX 8220 units

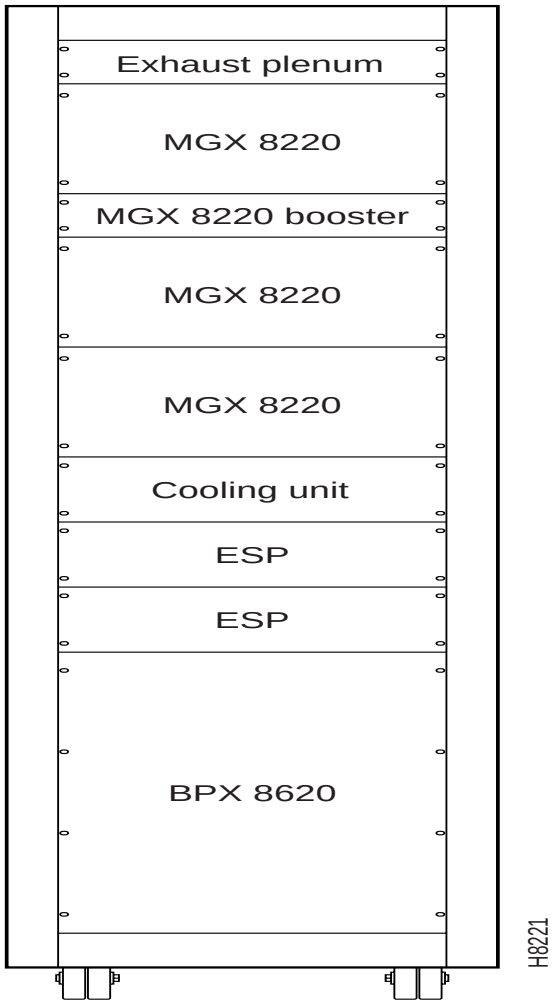
Figure A-8 BPX Node, MGX 8220 Edge Concentrator, and ESP, AC and DC-Powered



WAN service node
BPX 8620/MGX 8220/ESP
DC power

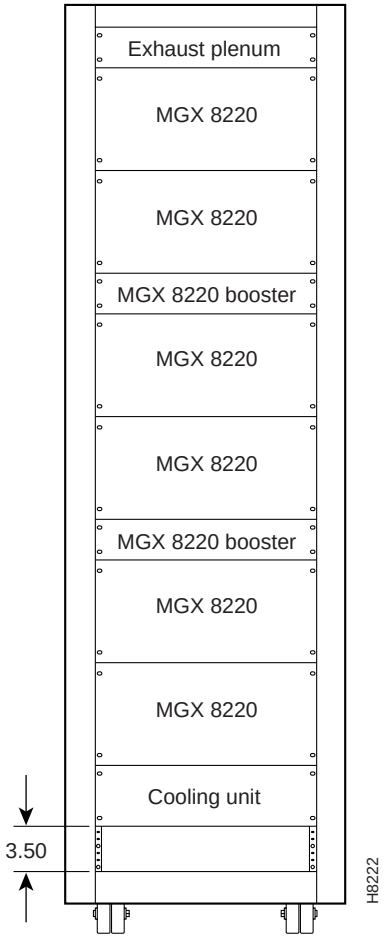
WAN service node
BPX 8620/MGX 8220/ESP
AC power

Figure A-9 BPX Node With 2 ESP Systems and 3 MGX 8220 Shelves, DC-Powered



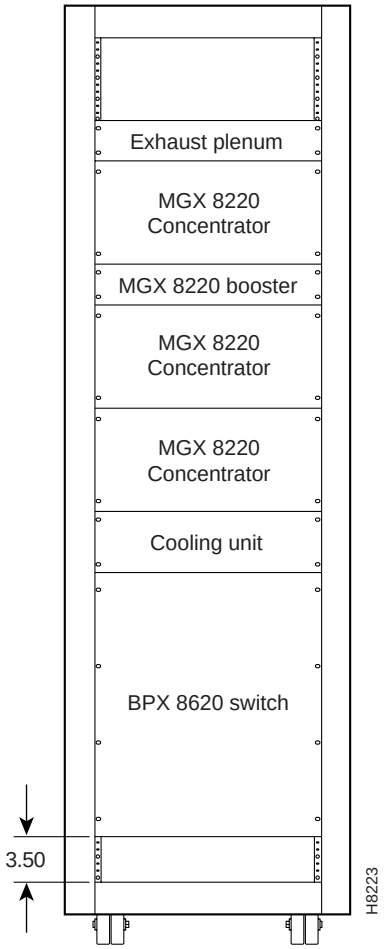
WAN Service Node
BPX 8620/MGX 8220/ESP
DC power

Figure A-10 Six MGX 8220 Edge Concentrators, DC-Powered



Six MGX 8220 edge concentrators

Figure A-11 BPX Node With Three MGX 8220 Edge Concentrators, DC-Powered



One BPX 8620 and
three MGX 8220 units

Table A-1 Table of Cisco Cabinet and Component Heights

Components	Unit Height		
	Inches	**CM**	**RMUs**
MGX 8220 Card Cage	8.75	22.225	5
MGX 8220 AC Power Supply shelf	5.25	13.335	3
MGX 8220 Booster Fan Assembly	3.5	8.89	2
MGX 8220 Cooling Assembly	5.25	13.335	3
MGX 8220 Exhaust Plenum	3.5	8.89	2
BPX AC Power Supply shelf	5.25	13.335	3
BPX Card Cage	22.75	57.785	13
IGX AC Power Supply shelf	5.25	13.335	3
IGX Booster Fan Assembly	3.5	8.89	2
IGX Card Cage	17.5	44.45	10
IGX Cooling Assembly	5.25	13.335	3
IGX Exhaust Plenum	3.5	8.89	2
IGX Node	24.5	62.23	14
VNS	5.25	13.335	3
	Unit Height		
Cabinet	**Inches**	**CM**	**RMUs**
Cisco Cabinet	71.75	1822.45	41
Other Cabinets	75.25	1911.35	43

Note The depth of the Cisco-supplied cabinet is 36 inches, the width is 23 inches, and the weight (empty of equipment with side panels installed) is 233 pounds.

Figure A-12 Mounting Brackets (BPX Example)